

iSGM 3500

Rugged CNC Gantry Cutting Machine



Description

iSGM 3500 has a rugged 3-axis heavy duty gantry design for smooth motion & accuracy for improved cutting performance. With dual side, high speed AC drives and a high speed plasma lifter, iSGM 3500 delivers higher productivity.



- Rapid cut-to-cut cycle times with High Speed Plasma lifter with in-built laser pointer for quick tool positioning, high rapid machine speed, high vertical lifter speed & quick arc initiation
- Electrode Wear Compensation for consistent cutting performance throughout the life of the Electrode
- Faster Set-up with split screen for next job preparation while viewing current job
- Integrated Promotion Software & Cut Cost Calculator
- Remote Diagnostics



Specifications / Technical data	
Cutting Width, max	2,700 mm
Rail gauge	3,500 mm
Machine width	4,625 mm
Machine Speed, max	12,000 mm/min
Cutting length	6,300 mm / 13,000 mm
Cutting process	Plasma & Oxy-fuel
No of tools	2 (1 Plasma & 1 Oxy-fuel)
Plasma power source z	ESAB A120 / ESAB m2 200i
Plasma cutting thickness	16 mm Production pierce (max 20 mm) – A120
	25 mm Production Pierce (Max 32 mm) – m2 200i
Oxy-fuel cutting thickness	65 mm production pierce / 150 mm (Edge start)

Applications

- Industrial & General fabrication
- General manufacturing
- Structural steel fabrication

Features

- Windows 7 Embedded OS
- Quad Core Processor for motion & I/O
- 250 GB SATA SSD Hard drive
- In-built Wi-fi
- Auto-logging of Cutting Statistics
- In-built Nesting Software
- Automatic machine software back-up

A120 Plasma

Automated Plasma Cutting System



Description

The A120 plasma system, an industrial proven platform offers standard features to meet the needs of many automated applications. With all the advantages of 1Torch and proven system reliability, the automated A120 Plasma delivers the best in productivity, precision and performance.

- The SL100® SV 1Torch® Start technology eliminates electronic interference and provides strong pilot arc for quick and reliable start
- The auto-pilot restart function enables the A120 to cut expanded metal quickly and easily
- Tool-less quick torch disconnect for easy change between mechanized and manual cutting (SL100 torch with standard ACT Quick Disconnect)



Specifications / Technical data

Max output	120 A
Recommended cut	16 mm
Maximum cut	20 mm
Mains supply, 50/60 Hz	400 VAC, 3 Phase supply
Output range	30 - 120A
Output power	15.4 Kw
Output at 80% duty cycle	120 A
Output at 100% duty cycle	100 A
Max OCV	260 VDC
Torch air pressure	5.2 bar (75.4 psig)
Torch air consumption	189 l/min (400.5 cfm)
Weight, incl cable and torch	28.6 kg (63 lbs.)
Dimensions, L x W X H	660 x 248 x 343 mm

Ordering Information

Description	Part number
iSGM 3500 X 8000/A120	4660101000
iSGM 3500 X 15000/A120	4660101001

ESAB m2 200i

Automated Plasma Cutting System



Description

ESAB m2 200i system deliver premium cut performance on both mild steel and non ferrous metals. The m2 200i is designed for reliable, low cost operation and offer maximum productivity. It also provides greater flexibility to use the water mist secondary for non ferrous metals which gives better cut quality and productivity.

- High cut speed to produce more parts per hour
- With water mist secondary (WMS), the speed can be up to 3 times faster.
- Reduced downtime during parts change due to speed - lok cartridge design.
- Precision torch design offers the best cut quality in its class.
- Fast and easy installation
- Simple set up and user friendly gas console.



Specification / Technical data

Max output	200 A
Recommended Production Pierce	25 mm
Maximum Pierce	32 mm
Mains supply, 50/60 Hz	400 VAC, 3 Phase, 60A
Output range	5 – 200 A
Duty Cycle @ 40 deg C	100 % (200A @ 170Vdc)
Max OCV	425 VDC
Plasma Gas	Air, O2, Ar-H2, N2
Shield gases	Air, N2, H2O
Water Mist Secondary	Yes
Power supply weight	215 Kg
Dimensions, L x W XH	1031 x 698 x 1219 mm

Ordering Information

Description	Part number
iSGM 3500 X 8000/m2 200i	4660101003
iSGM 3500 X 15000/m2 200i	4660101004

World leader in welding and cutting technology and systems



ESAB operates at the forefront of welding and cutting technology. Over one hundred years of continuous improvement in products and processes enables us to meet the challenges of technological advance in every sector in which ESAB operates.

Quality and environment standards

Quality, the environment and safety are three key areas of focus. ESAB is one of few international companies to have achieved the ISO 14001 and OHSAS 18001 standards in Environmental, Health & Safety Management Systems across all our global manufacturing facilities. At ESAB, quality is an ongoing process that is at the heart of all our production processes and facilities worldwide.

Multinational manufacturing, local representation and an international network of independent distributors brings the benefits of ESAB quality and unrivalled expertise in materials and processes within reach of all our customers, wherever they are located.

Esab Sales And Support Offices Worldwide



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